

FILE NOTATIONS

Entered in NID File ☒

Entered On S R Sheet ☒

Location Map Pinned ☒

Card Indexed ☒

IWR for State or Fee Land ☐

Checked by Chief ☒

Copy NID to Field Office ☒

Approval Letter ☒

Disapproval Letter ☐

COMPLETION DATA

Date Well Completed 10-30-59

OW WW TA PA

GW OS PA ☒

LOGS FILED

Driller's Log 12-7-59

Electric Logs (No. 1) GR GR-N Micro

E I E-I GR Others Sonic

Lat Mi-L

Gulf Oil Corp took over all operations
of the British American Prod. Co. (1966)

159

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or
operations suspended

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

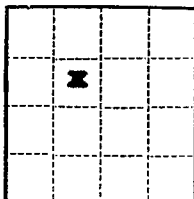
Gas-Oil Ratio Test

Well Log Filed



10-30-59





(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-09927

Unit Government Rigby

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 14, 1959

Well No. 1 is located 1980 ft. from [N] line and 1980 ft. from [W] line of sec. 10

SE, NW/4 Sec. 10
(1/4 Sec. and Sec. No.)

37S
(Twp.)

20E
(Range)

SLM
(Meridian)

Arch Canyon
(Field)

San Juan County
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 6310 ft. KB (Est.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROGRAM: To drill and test subject well to the Devonian. **SURFACE CASING:** 10-3/4" OD, 40.50#, H-40 csg to be set @ approximately 400' KB and cemented with 300 sack cement w/1 cu. ft. stratocrete/sack followed by 50 sack neat cement. WOC 24 hrs. **PRODUCTION CSG:** 5 1/2" OD, 14.0# J-55 csg to be set through the lowest possible producing zone. Use centralizer and rotating type scratchers through all possible producing zones. Cmt w/150 50-50 Pozmix, cmt w/23 gel. WOC 48 hrs. **CORING:** Cut 75' full hole core @ approximately 2335' KB and 150' full hole core @ approximately 2440' KB. **TESTING:** If content of zones based on cores, samples, and Electric Logs are questionable, obtain permission from District Office to DST. **LOGGING:** 1) Run Laterlog from TD to surface csg. (Possibly, the Gamma Ray Neutron will be run at 2300' to determine coring point) (2) Run Gamma Ray-Neutron TD to surf. (3) Run Microlaterolog from TD to 1000' KB. (4) Run Sonic Log from TD to surf. csg. **DRILLING TIME:** Use geolograph from surf. to TD. **DRIFT SURVEYS:** Run drift surveys at 50' intervals to 400'; thereafter @ 250' intervals. **STANDARD DEPTH MEASUREMENTS:** SLM of drill pipe at

(Contd on next page)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The British-American Oil Producing Company

Address P. O. Box 180

Denver, Colorado

Original Signed
By Thomas M. Hogan

Title District Superintendent

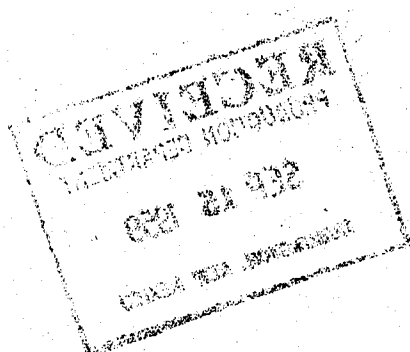
Government Rigby #1
C SE NW, Sec. 10-37S-20E
San Juan County, Utah
Page #2 (Contd)

DETAILS OF WORK:

STANDARD DEPTH MEASUREMENTS: (Contd)

approximately 2000', 4000', prior to coring or testing and at TD.

SAMPLES: Catch 10' samples from surface to TD or as directed by wellsite geologist. COMPLETION PROGRAM: This well will be completed with rotary. Drill out out to at least 20' below bottom of lowest pay zone. Displace mud w/water and water w/oil. Run Gamma Ray-Collar log and perforate as directed by District Office. Run 2" tubing w/pump seat and perforate nipple, and swab well in, if necessary.



COMPANY British American Oil Producing Company

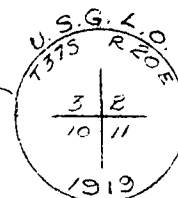
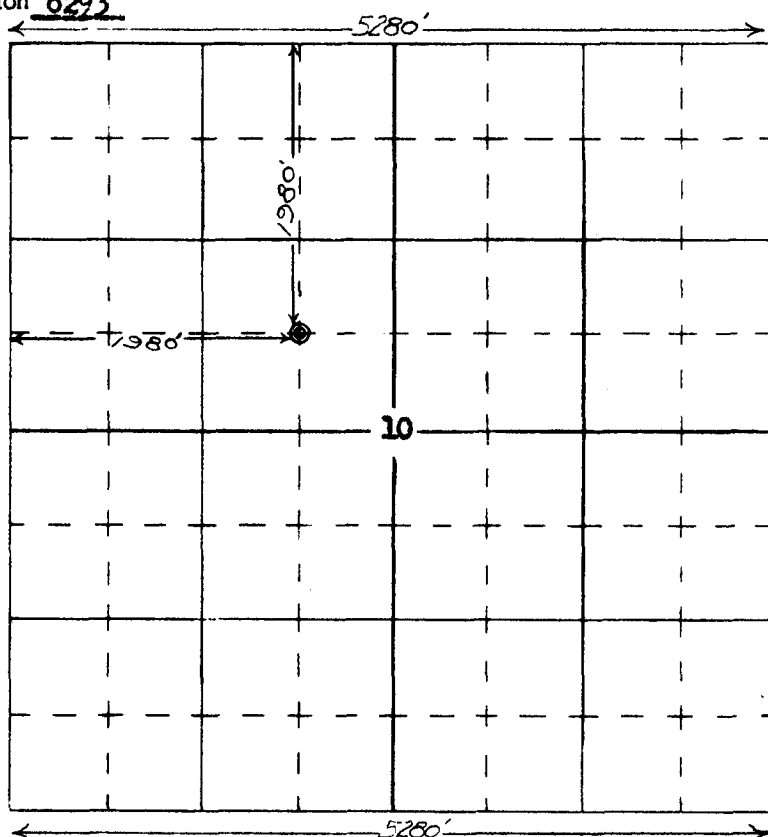
Well Name & No. Government Rigby No. 1 Lease No. _____

Location 1980' from the North line and 1980' from the West line

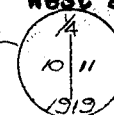
Being in C SE 1/4 NW 1/4

Sec. 10, T37 ^S, R20 ^E, ~~N 1/2 E 1/4~~, S.L.M. San Juan County, Utah.

Ground Elevation 6293



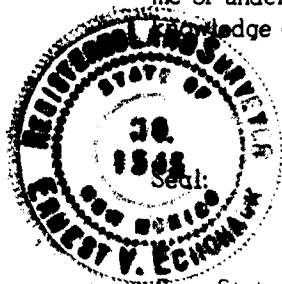
Section 10 unsurveyed-
Section lines projected
West as shown.



Scale -- 4 inches equals 1 mile

Surveyed September 12, _____, 19 59

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Four States Oil Field Surveys
Farmington, New Mexico

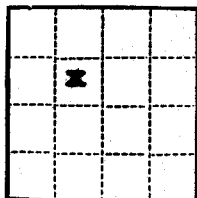
Ernest V. Echohawk

Ernest V. Echohawk

Registered Land Surveyor

N. M. Reg. #1545

Practicing in Utah under Laws
regulating Professional Engrs.
and Land Surveyors, Utah Code 1953,
Title 58-10-16.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Salt Lake CityLease No. H-09927Unit Government Rigby

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Arch Canyon UnitSeptember 14, 1949Well No. I is located 1980 ft. from N line and 1980 ft. from W line of sec. 10SE, NW/4 Sec. 10
(1/4 Sec. and Sec. No.)37E
(Twp.)20E
(Range)SLM
(Meridian)Arch Canyon
(Field)San Juan County
(County or Subdivision)Utah
(State or Territory)The elevation of the derrick floor above sea level is 6310 ft. KB (Est.)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROGRAM: To drill and test subject well to the Devonian. SURFACE CASING: 10-3/4" OD, 40.50#, N-40 csg to be set @ approximately 400' KB and cemented with 300 sack cement w/1 cu. ft. stratocrete/sack followed by 50 sack neat cement, WOC 24 hrs. PRODUCTION CSG: 5 1/2" OD, 14.0# J-55 csg to be set through the lowest possible producing zone. Use centralizer and rotating type scratchers through all possible producing zones. Cmt w/150 50-50 Pozmix, cmt w/2% gel. WOC 48 hrs. CORING: Cut 75' full hole core @ approximately 2335' KB and 150' full hole core @ approximately 2440' KB. TESTING: If content of zones based on cores, samples, and Electric Logs are questionable, obtain permission from District Office to DST. LOGGING: 1) Run Laterlog from TD to surface csg. (Possibly, the Gamma Ray Neutron will be run at 2300' to determine coring point) (2) Run Gamma Ray-Neutron TD to surf. (3) Run Microlaterolog from TD to 1000' KB. (4) Run Sonic Log from TD to surf. csg. DRILLING TIME: Use geolograph from surf. to TD. DRIFT SURVEYS: Run drift surveys at 50' intervals to 400'; thereafter @ 250' intervals. STANDARD DEPTH MEASUREMENTS: SLM of drill pipe at 400'; thereafter @ 250' intervals. (Contd on next page)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The British-American Oil Producing CompanyAddress P. O. Box 180Denver, Colorado

Original Signed

By By Thomas M. HoganTitle District Superintendent

Government Rigby #1
C SE NW, Sec. 10-37S-20E
San Juan County, Utah
Page #2 (Contd)

DETAILS OF WORK:

STANDARD DEPTH MEASUREMENTS: (Contd)

approximately 2000', 4000', prior to coring or testing and at TD.

SAMPLES: Catch 10' samples from surface to TD or as directed by wellsite geologist. COMPLETION PROGRAM: This well will be completed with rotary. Drill out cmt to at least 20' below bottom of lowest pay zone. Displace mud w/water and water w/oil. Run Gamma Ray-Collar log and perforate as directed by District Office. Run 2" tubing w/pump seat and perforate nipple, and swab well in, if necessary.

September 18, 1959

British-American Oil Producing Company
P. O. Box 180
Denver, Colorado

Attention: Thomas M. Hogan,
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. ~~Highway 66-1-1~~ ^{ARCH CANYON UNIT}, which is to be located 1980 feet from the north line and 1980 feet from the west line of Section 10, Township 37 South, Range 20 East, SLM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: P. T. McGrath, Dist. Eng.
U. S. Geological Survey
Farmington, New Mexico

*ok
Submerged*

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

October 14, 1959

United States Geological Survey
P.O. Box 965
Farmington, New Mexico

United States Dept. of Agriculture
Forest Service Supervisor
Price, Utah

→ The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Re: Arch Canyon Prospect
(Gov't Rigby No. 1)
C SE NW Sec. 10-37E-20E
San Juan County, Utah

Gentlemen:

Drilling operations are now in progress at subject location under the currently designated well name "Government Rigby No. 1."

Early formation of a Federal unit of this area is anticipated, and this location would be the first well in the unit. The well name therefore is being changed, effective immediately, to "Arch Canyon Unit No. 1."

We respectfully request that you change your records accordingly, and will appreciate receiving acknowledgement of receipt of this notice.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING CO.

Original Signed By:
Thomas M. Hogan

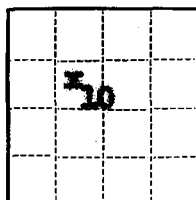
Thomas M. Hogan
District Superintendent

AHH/mh

cc: Sage Drilling Company, P.O. Box 32, Midland, Texas
Fred A. Morris
W. G. Callaway
Hoe R. Stone

N

COPY



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Farmington
Lease No. U-09927
Unit Arch Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 15, 1959

Arch Canyon Unit

Well No. #1 is located 1980 ft. from N line and 1980 ft. from E line of sec. 10

C SE NW Sec. 10
(¼ Sec. and Sec. No.)

375
(Twp.)

20E
(Range)

SIM
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~surface~~ above sea level is 6293 ft.
G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 13 3/4" hole to 421' KB. Ran 14 joints, 438' of 10 3/4" OD, 40.5 lb., H-40 casing equipped with National Texas Pattern slip weld shoe. Landed 10 3/4" casing at 419'. Cemented with 175 sx with 1/4 cu. ft. per sx of Stratacrete, followed with 50 sx of neat cement. Used top and bottom plugs. Good returns to surface. Waited 24 hours on cement. Tested casing with 500 psi for 30 min. --held O.K.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The British-American Oil Producing Company

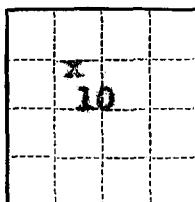
Address P. O. Box 180

Denver 1, Colorado

Original Signed By:
Thos M. Hogan

By

Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Farmington
Lease No. U-09927
Unit Arch Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	XX
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 2, 1959

Arch Canyon Unit

Well No. #1 is located 1980 ft. from N line and 1980 ft. from E line of sec. 10

C SE NW Sec. 10 37S 20E SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6304 ft. KB

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled to 3397' KB. Left 32 jts. of drill pipe and 18 drill collars in hole. Top of fish at 1809' KB. Unable to recover fish due to loss circulation problems. Received approval to plug and abandon well from Utah Commission and USGS.

Ran drill pipe open ended and spotted 45 sx cement from 1810' to 1660', 30 sx cement from 1500' to 1400', 25 sx cement from 400' to 350'. Placed 5 sx cement top plug and dry hole marker.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The British-American Oil Producing Company

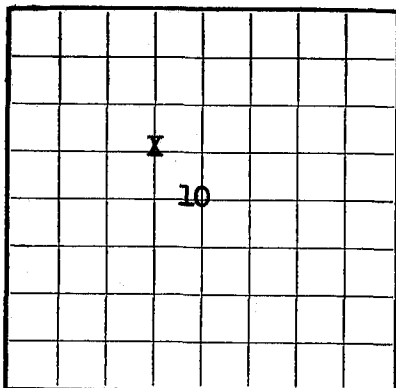
Address P. O. Box 180

Denver 1, Colorado

Original Signed By:
Thomas M. Hogan

By _____

Title District Superintendent



LOCATE WELL CORRECTLY

STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Producing Company

Operating Company The British-American Oil Address P. O. Box 180; Denver 1, ColoradoLease or Tract: Arch Canyon Unit Field Wildcat State UtahWell No. 1 Sec. 10 T 37S R. 20E Meridian S1M County San JuanLocation 1980 ft. N. of N Line and 1980 ft. E. of W Line of NW/4 Elevation 6297
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.

Signed

Date December 4, 1959Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling October 9, 1959, 19____ Finished drilling October 30, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	40.5	8rd		438	Nat'l Texas Pattern				Surface casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	418	175	Halliburton		

PLUGS AND ADAPTERS

LD MARK

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 3397 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Dry PA 10-30-59, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Sage Drilling Company _____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Sand
20	76	56	Surface Rock
76	421	345	Sand Rock
421	1091	670	Sand
1091	1317	226	Sand Rock
1317	1570	253	Sand
1570	1,831	261	Lime & Shale
1831	1966	135	Sandy Lime and Shale
1966	2350	384	Sand, Shale and Lime
2350	2391	41	Chert, Lime and Shale
2391	2421	30	Lime, Sand and Shale
2421	2472	51	Lime, Shale and Chert
2472	2473	1	Lime - Lost Circulation
2630	2780	150	Lime
2926	3191	165	Shale Lime

Due to Lost Circulation the driller's log is incomplete.

For Geological tops see attached Geological Completion Report.

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

[OVER]

DEC 7 1959

GEOLOGICAL COMPLETION REPORT

Well Classification:

British-American #1 Arch Canyon
San Juan County, Utah
C SE NW Section 10-37S-20E

Well Data:

Commenced drilling:	10-9-59
Completed drilling:	10-30-59
Contractor:	Sage Drilling Company
Casing Record:	Surface Csg: 10 3/4 at 418 w/175 sax
Elevation:	6297 DF 6298 KB
Total Depth and Datum:	3397

Completion Data

Plugged and Abandoned: 10-30-59

Geological Data

Logging Data

Samples:

Stored at: Four Corner Sample Cut
Farmington, New Mexico

Formation Record

<u>Name</u>	<u>Sample Top</u>	<u>Schl. Top</u>	<u>Schl. Datum</u>	<u>Fluid Content</u>
Hermosa	1440 (+4858)	1460	(+4838)	None
Bluff	2330 (+3962)	2330	(+4968)	None

Core Record:

None

Drill Stem Test Record:

None

H. A. Holtom
H. A. Holtom

December 11, 1959

British-American Oil Producing Company
P. O. Box 180
Denver, Colorado

Attention: Thomas Hogan, District Superintendent

Gentlemen:

Re: Well No. Arch Canyon Unit 1,
Sec. 10, T. 37 S, R. 20 E, SLEM,
San Juan County, Utah

In checking our files we have found that we do not have any electric logs for the above mentioned well.

It would be greatly appreciated if you would furnish us copies of all logs run as soon as possible in order that we may complete our file for said well.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:cp

No Logs Run

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

DENVER CLUB BUILDING

DENVER 1, COLORADO

PRODUCTION & ENGINEERING DEPT.

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 180

File

December 14, 1959

The State of Utah
Oil & Gas Conservation Commission
Salt Lake City 11, Utah

Attention: Cleon B. Feight, Executive Secretary

Gentlemen:

Re: Well No. Arch Canyon Unit 1,
Sec. 10, T. 37 S, R. 20 E, SLBM,
San Juan County, Utah.

No electric logs were run on Arch Canyon Unit #1.

After drilling to a depth of 3397', the drill pipe was twisted off leaving 558' of 5½" drill collars and 1100' of 4½" drill pipe in the hole. Attempts to recover the fish were unsuccessful. Approval and plugging instructions to abandon the hole were obtained from the USGS office at Farmington, New Mexico.

Please advise if any additional information is required.

Very truly yours,

TH BRITISH-AMERICAN OIL PRODUCING CO.

Thomas M. Hogan
District Superintendent

AHH:pr